

National Infrastructure Advisory Council (NIAC)

The Insider Threat to Critical Infrastructures

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Overview

- ▣ Objective
- ▣ Scope
- ▣ NIAC Participation
- ▣ Study Group
 - Critical Sectors Represented
- ▣ Progress
- ▣ Approach/ Work Breakdown

Objective

- To define the insider threat to critical infrastructures, including dynamics involved, obstacles to mitigation, and the effect of globalization.
- The second phase of the study will focus on legal, procedural, and policy barriers for private sector infrastructure operator employee screening efforts.
- Completion of the study will produce recommendations for improving operators' ability to address the insider threat to critical infrastructures, and seek to provide guidance on a clear legal environment for operators in dealing with potentially hostile insiders.

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Scope

□ Scope of the study (as outlined in the January 16 letter from Secretary Chertoff):

- ✓ Define the "insider threat" physical and cyber, including potential consequences, economic or otherwise
- ✓ Analyze the dynamics and scope of the insider threat including critical infrastructure vulnerabilities
- ✓ Analyze the potential impact of globalization on the critical infrastructure marketplace and insider issues
- ✓ Identify/define the obstacles to addressing the insider threat
- + Identify issues, potential problems, and consequences associated with screening employees
- + Identify legal, policy, and procedural barriers aspects of the issue, as well as any potential obstacles, from the perspective of the owners and operators
- + Identify and make policy recommendations on potential remedies for addressing the insider threat (up to and including potential legislation)

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NIAC Participation

▣ Co-chairs:

- Mr. Thomas Noonan, IBM Internet Security Systems
- Mr. Edmund Archuleta, El Paso Water Utilities

▣ Other NIAC members include:

- Mr. John Thompson, Symantec
- Ms. Margaret Grayson, Grayson and Associates

The Group is seeking further NIAC member participation in the study.

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Study Group

Currently includes:

- ▣ 12 security professionals from major infrastructure operators
- ▣ Balance of IT and physical security focus, diverse viewpoints
- ▣ 10 Critical Infrastructure Sectors Represented

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Critical Sectors Represented

- ❑ Critical sectors include:
 - Chemical
 - Commercial Facilities*
 - Dams
 - Energy (Oil and Gas sub-sector)
 - Energy (Electricity sub-sector)
 - Financial Services
 - Food and Agriculture
 - Information Technology
 - Nuclear
 - Transportation
 - Water

*Invited

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Progress

- ❑ Early Working Group meetings validated approach, work breakdown and Study Group focus on
 - Two-phased approach
 - Phase 1 will seek to define the Insider Threat and develop recommendations for addressing it
 - Phase 2 will address the legal, policy, and procedural issues that arise in mitigating insider threats, including personal privacy legal issues associated with employee screening
- ❑ Study Group work to date
 - Study Group meeting - Study Group orientation
 - Concept development meeting - initial definition of terms and tasks
 - Operational Concept meeting - task breakdown and near-term work assignments

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Approach and Work Breakdown

<u>January</u>	Initial research; draft restatement of the problem (complete)
<u>February</u>	Vet the restated problem and gain additional background materials; begin study group recruitment (complete)
<u>March</u>	Continue recruitment; organize group and assign tasks (complete)
BEGIN PHASE I	
<u>April</u>	Develop refined milestones for <i>Phase I</i> (underway)
<u>May to July</u>	<i>Phase I</i> research, including input from Study Group stakeholders; develop outline for final product; provide status report to NIAC at July meeting (upcoming)
<u>Aug. to Oct.</u>	Complete <i>Phase I</i> research; outline all secondary phase issues and their impact; draft recommendations; publish coordinating draft of report; provide NIAC Quarterly status report on progress and Working Group draft recommendations to NIAC
BEGIN PHASE II	
<u>Sep. to Jan.</u>	Begin research and compile findings for report**
<u>Nov. to Dec.</u>	Finalize <i>Phase I</i> report January 2008 - Deliver report with cover letter

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Questions?

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